

Abstract of the Disclosure

A stator assembly for use in an electromechanical machine includes an improved concentric winding arrangement. Groups of concentric coils are alternately inserted from both ends of the stator core. In other words, a first phase group is inserted from one end. The stator core is then rotated 180° for insertion of the second phase group. Next, the stator core is rotated back to its original position for insertion of the third phase group. The alternating process continues until all phase groups have been inserted. Preferably, the winding pattern utilizes a combination of full slots and shared slots, with full slots of different groups of the same phase being adjacent to one another. The invention permits the use of automated winding equipment in large induction motors where hand insertion was often required in the past.